



Missouri Weekly Influenza Report

2006-2007 Season¹

Missouri is reporting “Local Influenza Activity” to the CDC for Week 3².
[To view weekly maps click here.](#)

Table 1. Reported Laboratory cases by sub-type for the Week ending January 20, 2007 (Week 3)

Serogroups	A (non- typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 3	190	3	1	0	29	74	297

293 cases by rapid non-culture diagnostic test have been reported, 3 culture confirmed type A(H1) and 1 culture confirmed type A(H1N1) for week 3.

**Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type
Through Week Ending January 20, 2007 (Week 3)**

Influenza Type	2006-07 Season	5-Season Median	Percent Change from 5-Season Median
Influenza A	3,666	278	1218.7%
Influenza B	558	130	329.2%
Influenza Unknown Or Untyped	1,271	352	261.1%
Total	5,495	1,225	348.6%

Season-to-Date: two isolates are identified as influenza A/Hawai/15/2001-like (H1N1) viruses and two other isolates as influenza A/New Caledonia/20/99-like (H1N1) viruses.

**Table 3. Influenza Season-to-Date and
5-season Median by Age Group
Through Week Ending January 20, 2007 (Week 3)**

Age Group	2006-07 Season	5-Season Median	Percent Change from 5-Season Median
00-<02	645	138	367.4%
02-04	966	148	552.7%
05-14	2,575	316	714.9%
15-24	403	128	214.8%
25-49	602	114	428.1%
50-64	163	54	201.9%
65+	141	62	127.4%
Total	5,495	1,225	348.6%

**Table 4. Influenza Season-to-Date and
5-season Median by Region
Through Week Ending January 20, 2007 (Week 3)**

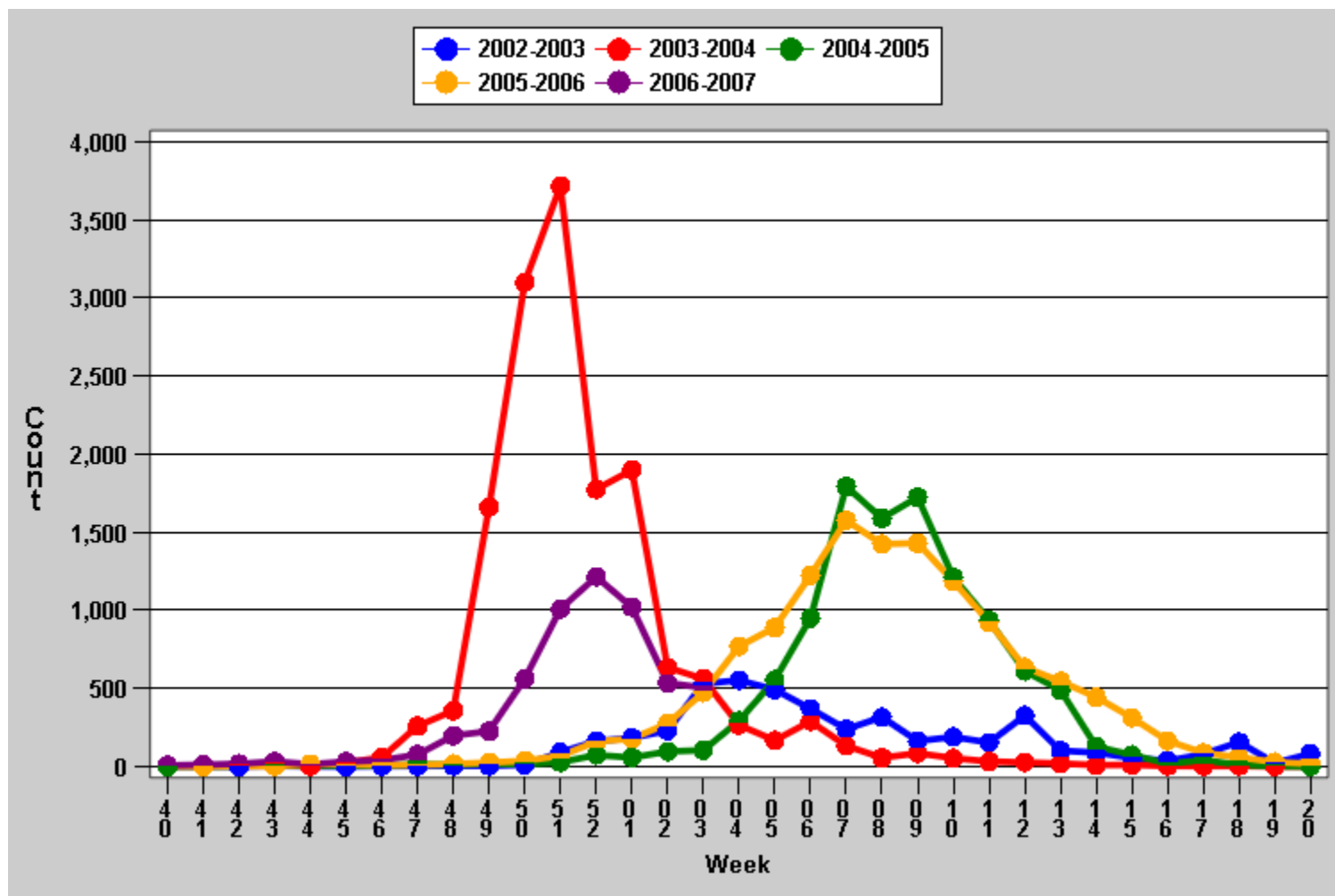
Region	2006-07 Season	5-Season Median	Percent Change from 5-Season Median
CE	784	179	338.0%
EA	1,770	148	1095.9%
NW	1,359	587	131.5%
SE	917	16	5631.3%
SW	665	127	423.6%
Total	5,495	1,225	348.6%

**Table 5. Deaths involving Pneumonia and Influenza (P&I)
Reported During the Week Ending January 13, 2006 (Week 2)***

Week 2	Season-to-Date	Week 2 Last Season	5 Year Weekly Median
123	1130	123	69

* Beginning in Week 35 of 2003, the number of P&I deaths became based on a new system of retrieval that now includes all contributing causes of death from death certificates.

**Graph 1. Influenza 2006-07 Season-To-Date as compared to the previous 4 influenza seasons
Through the Week Ending January 20, 2007 (Week 3)**



**Table 6. U.S. Influenza Sentinel Physicians Surveillance Network
Influenza-like Illness (ILI) for the Week Ending January 13, 2007 (Week 2)**

Age 0-4	Age 5-24	Age 25-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI*
5	24	5	0	34	3203	1.06*

*This is below the national baseline of 2.5%

**Table 7. Respiratory Specimens Submitted to SPHL for Viral Testing
Through the Week Ending January 20, 2007 (Week 3)**

	Positive Influenza	Total Number Specimens Submitted
Week 3	5	13
Season-to-Date	20	69

Antigenic Characterization of Missouri Influenza Isolates submitted to CDC by the State Public Health Laboratory:

CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL). DHSS has submitted eight influenza isolates this season to CDC for antigenic characterization.

Results Received from CDC: CDC has antigenically characterized four of those isolates so far this season: two as influenza A/Hawaii/15/2001-like (H1N1) viruses and two as influenza A/New Caledonia/20/99-like (H1N1) viruses.

Isolates were characterized by hemagglutination-inhibition using post-infection ferret antisera and are related antigenically to A/Hawaii/15/2001, a minor antigenic variant of A/New Caledonia/20/99. A/New Caledonia/20/99 is the WHO recommended H1 component of the 2006-2007 vaccine for the Northern Hemisphere and 2007 vaccine for the Southern Hemisphere.

FDA's Vaccines and Related Biological Products Advisory Committee (VRBPAC) recommended that influenza vaccines to be used in the 2006-2007 season in the U.S. contain the following:

- An A/New Caledonia/20/99 (H1N1)-like virus;
- An A/Wisconsin/67/2005 (H3N2)-like virus (A/Wisconsin/67/2005 and A/Hiroshima/52/2005 strains); and
- A B/Malaysia/2506/2004-like virus (B/Malaysia/2506/2004 and B/Ohio/1/2005 strains)

The influenza vaccine composition to be used in the 2006-2007 season in the U.S. is identical to that recommended by the World Health Organization on February 15, 2006.

Clusters/Outbreaks of Influenza-like Illness: Two school closings were reported in the Southeast Region for week 3; no closings were reported for last season. Four school closings due to Influenza-like illness have been reported season-to-date, as compared to no school closings reported during this same time last season. No outbreaks have been reported this season as compared to one last season.

Data Sources: Laboratory-confirmed cases are reported to DHSS through the passive communicable disease surveillance system. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

Find Us on the Web

This report may also be found on the DHSS Internet at: www.dhss.state.mo.us/Influenza/index.html.

National influenza surveillance information is available from the Centers for Disease Control and Prevention at: www.cdc.gov/ncidod/diseases/flu/weekly.htm.

Contact Us

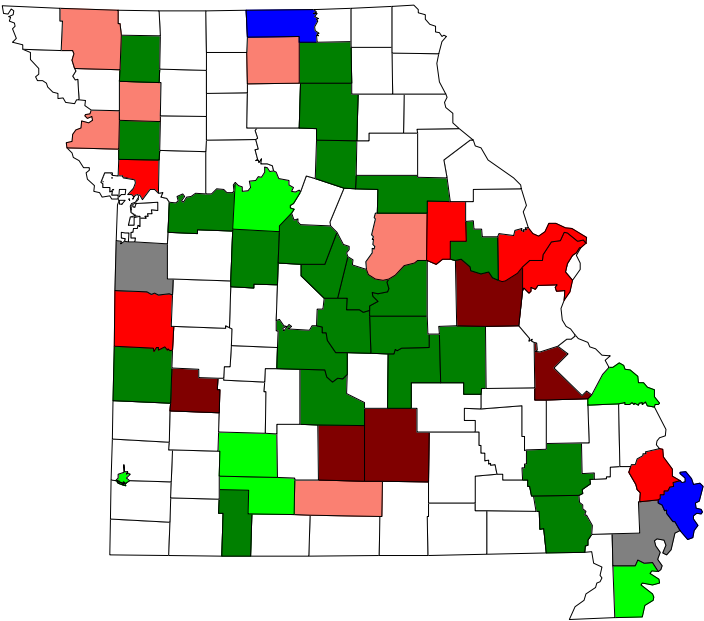
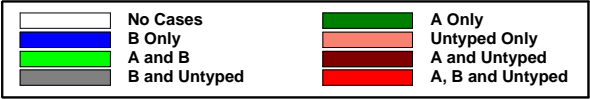
The Missouri Department of Health and Senior Services after hour's number for reporting disease cases and emergencies is **1-800-392-0272**.

¹ *All data in this report are provisional and may change as reports are updated.*

² *Influenza activity codes are reported to CDC each Monday.*

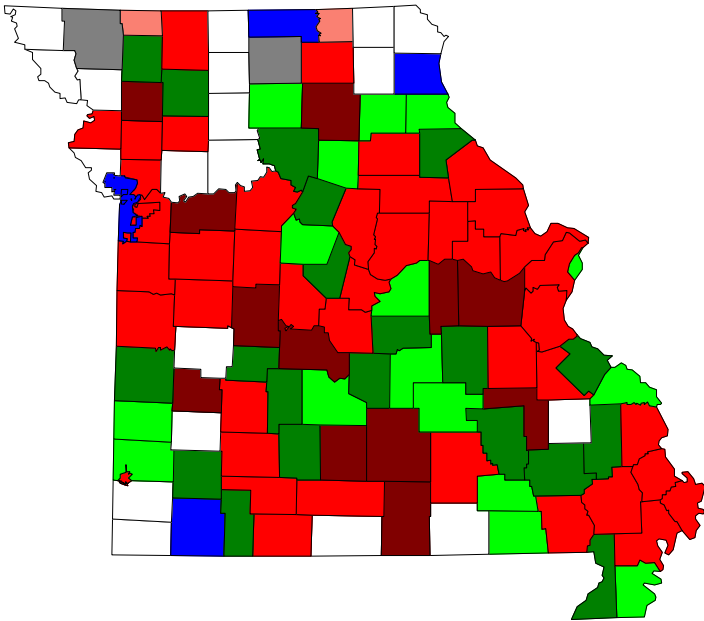
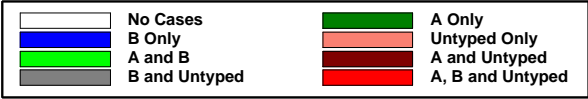
Influenza: Weekly Serotypes

Influenza Season 2006-2007, Missouri by County
Confirmed Influenza, Type A, B or A/B Untyped
Week 3, 2007



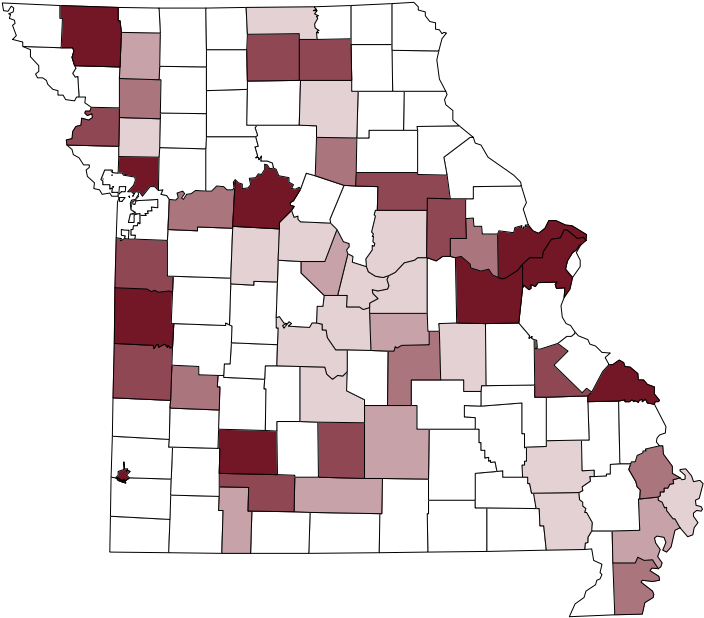
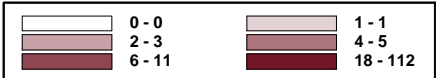
Influenza: Season Serotypes

Influenza Season 2006-2007, Missouri by County
Confirmed Influenza, Type A, B or A/B Untyped
Season-to-Date as Week 3, 2007



Influenza: Weekly Count

Influenza Season 2006-2007, Missouri by County
Confirmed Influenza, Number of Reported Cases, All Types
Week 3, 2007



Influenza: Season Rate

Influenza Season 2006-2007, Missouri by County
Confirmed Influenza, Rate of Reported Cases, All Types
Season-to-date, as of Week 3, 2007

